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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/531,713	11/14/2005	Yoshihiro Morioka	49288.1100	1457

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EXAMINER

ARANI, TAGHI T

ART UNIT PAPER NUMBER

2131

DATE MAILED: 11/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/531,713

Applicant(s)

MORIOKA ET AL.

Examiner

Taghi T. Arani

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 January 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 52-98 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☒ Claim(s) 52-98 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 April 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 5/25/2005, 1/5/2006.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

Taghi T. Arani
Primaire Examiner
11/15/06

DETAILED ACTION

1. Claims 52-98 have been examined and are pending.

Specification

2. The disclosure is objected to because of the following informalities: in the specification. Paragraph 002, the phrase "end transmitted" should be "and transmitted".

Appropriate correction is required.

The disclosure is objected to because it contains (paragraph 003) an embedded hyperlink and/or other form of browser-executable code. Applicant is required to delete the embedded hyperlink and/or other form of browser-executable code. See MPEP § 608.01.

Claim Objections

3. Claims 52-98 are objected to because of the following informalities:

Throughout specification and in claims 52-53, 71-73, 85, 88, 90-98 the term "Authentification" has been used to mean "Authentication". The Examiner suggests "Authentification" be replaced with "Authentication".

Claims 52 and 95-98 recite in the preamble "A packets sending/receiving apparatus for sending sending packets and receiving reception packets". It is vague and unclear what constitutes "sending sending packets" and "receiving reception packets".

Claims 94 recite, in the preamble, "A packets sending/receiving apparatus for sending a sending packets and receiving a reception packets" It is vague and unclear what is meant by "sending a sending packets" and "receiving a reception packets"

Claims 54, 57 and 58 are objected to because of the following informalities: Claims 54, 57 and 58, in the preamble, begin with the phrase "A packet sending/receiving apparatus". They

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should be replaced with “A packets sending/receiving apparatus”. The Examiner suggests “ A packets sending/receiving apparatus for sending and receiving packets”. Therefore, claims 52,94-98 are failing to conform with current U.S. practice. They appear to be a literal translation into English from a foreign document. Appropriative correction is required. Appropriate correction is required.

Dependent claims 54-70, 74-84, 86 and 89 are also objected by virtue of their dependencies.

Allowable Subject Matter

4. Claims 52-98 are allowed over prior art of record.

Prior art of record of record fails to teach or fairly suggest a “sending queue control means controls the first queue means and the second queue means so as to output the second packets in the second queue means such that an amount of the second packets stored in the second queue does not exceed a predetermined amount” as recited in **claim 52**.

Prior art of record of record fails to teach or fairly suggest performing authentication based on a propagation delay time of one-way or round trip for packets as recited in **claim 94**.

Prior art of record of record fails to teach or fairly suggest performing authentication based on whether it is in a mode for scrambling and transmitting as recited in **claim 95**.

Prior art of record of record fails to teach or fairly suggest the timing for the authentication and key exchange means to update the decoding key is notified by changing a TCP port number, or UDP port number as recited in **claim 96**.

Prior art of record of record fails to teach or fairly suggest updating decoding key for every HTTP request recited in **claim 97**.

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Prior art of record of record fails to teach or fairly suggest copy control information of DTCP scheme in the authentication and key exchange means is transmitted by adding encryption mode information to the reception packets as **recited in claim 98**.

None of the prior art of record, either taken by itself or in any combination, would have anticipated or made obvious the invention of the present application at or before the time it was filed.

Dependent claims 53-93 are also allowed by virtue of their dependencies.

Any comments considered necessary by applicant must be submitted no later than payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Prior arts made of record, not relied upon:

US 7,107,458 to Oishi et al.

US 6,826,699 to Sun

US 2002/0025042 to Satio

US 2002/0027991 to Kuroda et al.

Integration of 5C with a 1394 Audio/Video Link Chip, Technical White Paper, 2000
(retrieved from Internet 11/14/2006),

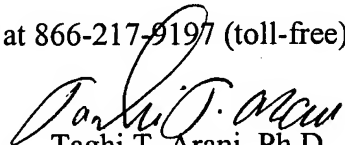
http://www.nxp.com/acrobat_download/other/1394/l41wpv2.pdf

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Taghi T. Arani whose telephone number is (571) 272-3787. The examiner can normally be reached on 8:00-5:30 Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Taghi T. Arani, Ph.D.
Primary Examiner
Art Unit 213111/15/2006
11/15/06